

# Public Health Reports

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## UNITED STATES.

### *National cooperation with local boards for the suppression of smallpox— Request from Columbia, S. C.*

At the request of the local board of health of Columbia, S. C., for aid in controlling the epidemic of smallpox in that city, the following letter of instructions was sent to Passed Assistant Surgeon C. P. Wertenbaker at Wilmington, N. C.:

WASHINGTON, D. C., *April 23, 1898.*

SIR: I inclose herewith a copy of a letter which was brought to the Bureau by Senator Tillman, and acting upon it, a telegram was sent to the secretary of the State board of health of South Carolina to indorse the request of the local board. A reply has been received to-day stating that the State board of health had no objections to sending expert.

It will be observed that the request is for a competent officer to advise and act with the board in stamping out the disease. It is not the purpose of the Bureau to incur any expenditures in stamping out the disease at Columbia, S. C., the principle being held by the Secretary that smallpox is a disease which should be stamped out by the local authorities, and only under very extraordinary circumstances will the Government undertake to do more, and then only in the interest of other states. The Bureau has been obliged to refuse financial aid to a number of localities and will continue to do so. The Department is willing, however, that a medical officer who has had special experience in the management of this disease should give the benefit of his experience to local officers, and this is the purpose for which you are sent to Columbia. You are not to take charge; you are simply to advise and cooperate with the local board, giving the latter the benefit of your experience in these matters.

With this view, you are hereby ordered to proceed to Columbia and to confer with Dr. J. W. Babcock, and as soon as your services of the

above character are completed you will return to your station. You are directed to nominate an acting assistant surgeon for duty at Wilmington during your temporary absence.

Respectfully, yours,

WALTER WYMAN,  
*Supervising Surgeon-General U. S. M. H. S.*

*Request from Little Rock, Ark., and reply.*

[Telegram.]

LITTLE ROCK, ARK., April 21, 1898.

*Supervising Surgeon-General, United States*

*Marine-Hospital Service, Washington, D. C.:*

Am requested to wire following to you: "Resolved, that the president of this board is hereby authorized and requested to apply to the United States Marine-Hospital Service for such assistance as the Government may be willing to lend toward the suppression of smallpox now existing at Little Rock and vicinity. Signed: J. A. Woodson, president; F. J. Ginocchio, secretary, Little Rock board of health. Approved, Daniel W. Jones, Governor of Arkansas." Thirty cases in pesthouse, 8 in city, 3 in country to-day.

GIBSON,  
*Acting Assistant Surgeon, U. S. M. H. S.*

[Telegram.]

WASHINGTON, D. C., April 22, 1898.

*Acting Assistant Surgeon Gibson, Little Rock, Ark.:*

Government can not give financial assistance, but if desired will send officer thoroughly experienced in suppressing the disease to advise and confer with board. Please convey this message to board.

WYMAN,  
*Supervising Surgeon-General U. S. M. H. S.*

On receiving the following reply, Passed Assistant Surgeon Magruder was directed to proceed to Little Rock to advise with the board:

[Telegram.]

LITTLE ROCK, ARK., April 22, 1898.

*Supervising Surgeon-General, United States*

*Marine-Hospital Service, Washington, D. C.:*

Resolution of board of health intended as request for Service control of outbreak. Board requests officer to be sent anyway.

GIBSON,  
*Acting Assistant Surgeon, U. S. M. H. S.*

[Telegram.]

WASHINGTON, D. C., April 23, 1898.

*Passed Assistant Surgeon Magruder, United States*

*Marine-Hospital Service, Memphis, Tenn.:*

Have request from board health and governor Arkansas for Service assistance suppression smallpox Little Rock and vicinity. Sent reply. Government would not give financial aid, but would send experienced

officer to advise with board, and board replies, requesting officer. Nominate acting assistant, and proceed to Little Rock soon as practicable. Consult with Acting Assistant Gibson, and Dr. Woodson, president board. As soon as services as advisor are completed, return to station.

WYMAN,  
*Surgeon-General.*

[Reports to the Supervising Surgeon-General United States Marine-Hospital Service.]

*Morbidity and mortality in the Spanish army in Cuba during the calendar year 1897.*

WASHINGTON, D. C., *April 25, 1898.*

SIR: There are in Habana 5 military hospitals, the largest being the Alphonso XIII, which has a capacity of 3,320 beds. It is built of wood on the pavilion plan, and is situated on a high eminence in the outskirts of the city, and is well removed from all other buildings. Its equipment is almost perfect, having been constructed by a Spanish engineer who was educated in the United States. The surface drainage is complete, and if this building is not destroyed it could be utilized by the United States as a hospital for the troops occupying the city of Habana. The lightest mortality of all the military hospitals on the island was recorded here. Cases of yellow fever and smallpox are treated at this hospital, several wards being set aside for that purpose. Here it may be said that but few cases of smallpox have developed among the soldiers.

There is a second wooden hospital called Cuartel de Madera, having 1,000 beds, and situated in the Parish known as Jesus Maria. It is poorly constructed and could only be used as a hospital for yellow fever cases.

The Benificencia Hospital has 2,000 beds; it is situated near the Gulf and is built of stone. The building was formerly used as a foundling asylum, but was taken by General Weyler in 1896. It would be unwise to use this structure as a hospital. No surgical cases were treated in this hospital.

San Ambrosia is an old stone structure situated near the Taliapiedra wharf, and beyond doubt is the filthiest building in Habana, and has always showed a heavy death rate. It should not be used for United States troops. It has 900 beds.

There are two hospitals in Regla, but in the official reports they are made to appear as one, and will be so spoken of in this report. The buildings are old sugar warehouses. They are poorly equipped, and the administration was bad. They contained 3,000 beds. No attempts to isolate cases of infectious or contagious diseases have ever been made. Yellow fever and smallpox were treated in the general wards.

There are also in Habana the following civil or municipal hospitals—Reina Mercedes, Paula, Quinta del Rey, and Dependiente. With the exception of the first, all of them are filthy institutions, and were erected many years ago.

The Reina Mercedes was built in 1885; it is of stone, has 10 pavilions, each holding 24 beds. During the past year it has been overcrowded, and a high mortality has resulted. There were from 400 to 500 patients treated at this hospital from August to December, and there were over 750 deaths in that time. Such a bad state of affairs existed that clinical lectures of the medical college were abandoned on account of the danger to the attending students. Many cases of smallpox occurred there dur-

ing the past five months. There are 56 military hospitals on the island, and with but few exceptions they can not be used by the United States Government on account of their being badly infected.

#### YELLOW FEVER.

The following mortality from yellow fever in the 5 military hospitals in Habana is correct, it being taken from official figures and verified by careful investigation :

*Deaths from yellow fever at Habana and Regla in military hospitals during the year 1897.*

Months.	Habana.	Regla.	Total.	Months.	Habana.	Regla.	Total.
January .....	152	109	261	August .....	185	112	297
February .....	43	74	117	September .....	179	138	317
March .....	42	56	98	October .....	71	57	128
April .....	76	112	188	November .....	48	53	101
May .....	89	102	191	December .....	17	15	32
June .....	181	234	415				
July .....	211	227	438	Total .....			2,583

This mortality represents about 10,000 cases of yellow fever. It will be noticed that deaths from yellow fever began to decrease in August, when they should have increased. This is accounted for by the fact that the Spanish Government, alarmed by the increasing death rate from that disease, began to place their sick in Habana Province in two hospitals at places known as Mariel and San Antonio de las Vegas. The following table will show the deaths from yellow fever in the other cities on the island during the calendar year 1897 :

Matanzas .....	238
Santiago de Cuba .....	658
Sagua la Grande .....	378
Cardenas .....	235
Cienfuegos .....	212
Manzanillo .....	230
Holguin, Guines, Remedios, Sancti Spiritis, etc .....	1,500
Total .....	3,451
Deaths in Habana .....	2,583
Total deaths from yellow fever in military hospitals, 1897 .....	6,034

This mortality represents about 30,000 cases.

But few deaths have occurred in Habana and in the other cities during the present year, but as over 12,000 recruits have been sent from Spain to Cuba, nearly all of whom disembarked at Habana, by June 1st a heavy death rate will result.

#### SMALLPOX.

While this disease did not cause many deaths among the Spanish soldiers, still every city and town in Cuba has been ravaged by it, and as a result many houses are infected, and troops sent there should all be revaccinated. I will give here the deaths from smallpox from January, 1897, to March, 1898, inclusive, in the city of Habana, including soldiers and civilians :

January, 1897 .....	57
February, 1897 .....	581
March, 1897 .....	319
April, 1897 .....	93

May, 1897.....	44
June, 1897.....	9
July, 1897.....	4
August, 1897.....	1
September, 1897.....	5
October, 1897.....	7
November, 1897.....	10
December, 1897.....	15
January, 1898.....	31
February, 1898.....	62
March, 1898.....	58

Smallpox has prevailed to a considerable extent during the past six months at Sagua la Grande and at Matanzas.

#### ENTERIC FEVER.

The heaviest death rate from this cause existed at Habana and Matanzas. In the latter place both civilians and soldiers died in large numbers during the last six months of 1897, and a conservative estimate of deaths from this cause among the soldiers throughout Cuba during the year 1897 is 2,500.

#### MALARIAL FEVERS.

Under this head must be included what have been termed by the medical officers of the Spanish army pernicious fever and "caquexia paludica," and fully 7,000 men were lost to the Spanish army from malarial influences.

#### ENTERITIS AND DYSENTERY.

These two diseases caused no less than 12,000 deaths, due to the lack of proper food, both in the field and in the military hospitals. Nearly 5,000 deaths occurred in the 5 military hospitals in Habana alone, and the patients in these hospitals were better fed and cared for than at any other points on the island.

#### GLANDERS.

This disease rarely attacking men in this country, not infrequently occurs in Cuba; in Habana over 100 cases occurred among the soldiers. Glandered horses are seen daily on the streets of Habana and the other cities of the island.

#### LEPROSY.

While there is a lepers' hospital in Habana, there is no law compelling lepers to be confined in this institution, and they are seen on the public streets, and there are presumably hundreds of persons with this disease living under no sanitary restraint in the city of Habana.

#### TOTAL MORTALITY OF SPANISH ARMY IN CUBA.

The following figures are approximately correct for the year 1897:

Deaths from yellow fever.....	6,034
Deaths from enteric fever.....	2,500
Enteritis and dysentery.....	12,000
Malarial fevers.....	7,000
All other diseases.....	5,000
Deaths from all diseases.....	32,534



This does not include hundreds of deaths that occurred among certain troops sent back to Spain on the 10th, 20th, and 30th of every month in the last stage of the different diseases enumerated above. Having observed those departures from Habana, I can safely say that 10 per cent of the 30,000 invalidated home were destined to an early and positive death. These enormous death rates, it must be remembered, occurred in an army which at no time was properly cared for; badly clothed and badly fed, exposed to all the dangers of a tropical climate, they succumbed easily.

Much can be learned by the experience of the Spanish army of the past three years in Cuba. Given proper clothing, food, and medical care, our death rate should be less than half of theirs. Even the death rate from yellow fever can be materially lessened if an army of occupation is necessary during the coming summer.

With careful consideration of the subsistence supplies, proper clothing, modern camp sanitation, and revaccination against smallpox, the mortality rate of the Spanish army can be reduced 50 per cent.

Respectfully, yours,

W. F. BRUNNER,  
Sanitary Inspector, U. S. M. H. S.

*Smallpox in Mobile, Ala.—(Continued).*

MOBILE, ALA., April 22, 1898.

SIR: I have the honor to report that 2 cases of smallpox have been sent to the pesthouse during the past week, both in colored railroad hands from the country. The disease appears to have entirely ceased in this city.

The Louisville and Nashville Railroad Company has engaged the exclusive services of Dr. G. H. Fonde whose duty is to discover all cases between here and Montgomery and have them cared for and to vaccinate all train hands and railroad laborers. He has 9 new cases under treatment at Hurricane Bayou.

I am, very respectfully, your obedient servant,

R. D. MURRAY,  
Surgeon, U. S. M. H. S.

*Smallpox in Charleston, S. C.*

CHARLESTON, S. C., April 22, 1898.

SIR: I have to report that a case of smallpox has been discovered by the city health authorities in this city. Patient, a white male, came from Columbia, S. C., a few days ago. He has been separated, and all precautions taken by the local authorities to prevent spreading of the disease.

Respectfully,

JNO. VANSANT,  
Surgeon, U. S. M. H. S.

*Cases of smallpox in Louisville, Ky.*

LOUISVILLE, KY., April 22, 1898.

SIR: Referring to the case of varioloid at this station, reported on the 16th instant, I have the honor to state that the city health officer, Dr. Allen, saw the case with me, and we reached the conclusion that it was best to treat it in the isolation ward belonging to this reservation. The case is progressing favorably.

It was necessary to employ a nurse so that all communication with

hospital could be prevented. I have the honor to state that I have incurred an expense of \$15 for nursing, and request authority to incur an additional expense of \$16 for two suits of clothes—one for the nurse and one for the patient.

Respectfully, yours,

W. P. McINTOSH,  
*Passed Assistant Surgeon, U. S. M. H. S.*

*Case of smallpox at Pensacola, Fla.*

[Telegram.]

PENSACOLA, FLA., April 24, 1898.

Case of smallpox reported to board of health by city physician to-day. The victim is a negro from Greenville, Ala.

HARGIS,  
*Acting Assistant Surgeon, U. S. M. H. S.*

*Four cases of smallpox in Washington.*

HEALTH DEPARTMENT, DISTRICT OF COLUMBIA,  
*Washington, D. C., April 22, 1898.*

SIR: I have the honor to inform you that 4 new cases of smallpox in Freedmen's Hospital were reported to this office on the 18th instant, all of these patients having been occupants of the ward in which the first case appeared, and during its presence there.

Very respectfully,

WM. C. WOODWARD, M. D.,  
*Health Officer.*

*Smallpox in Little Rock, Ark., and vicinity.*

LITTLE ROCK, ARK., April 20, 1898.

SIR: I have the honor to report as follows concerning the smallpox in Pulaski County, Ark.:

There have been, since the present outbreak in the county, 42 cases of smallpox. Of this number, 25 cases were in the city of Little Rock, 5 in Argenta (North Little Rock), 3 in the county, five miles southwest of the city, and 9 in the detention camp near smallpox hospital. There are at present 30 cases in the smallpox hospital, 8 in the city, and 3 in the country, making a total of 41 cases under treatment to-day.

The disease so far has been confined entirely to negroes, and no deaths have occurred. After a most searching investigation the origin of the disease in this city has been ascertained. The circumstances are as follows: Early in January a negro man and his wife came to this city from Birmingham, Ala., and the wife was just recovering from smallpox. About the 22d of February the husband had the disease. A negro woman, living near, visited the house while the negro man was sick, and afterwards moved to another part of the city, where, about March 1, she had the disease. During the sickness of the last-mentioned woman she was visited by several men, among them being two who afterwards took smallpox, one of them in Argenta (North Little Rock), and the other in the southwest part of the city, where the first cases were discovered and reported to the board of health March 30. The cases in the country are at a store, where people have been congregating daily, and therefore numerous new cases may be expected in due time.

The disease seems to be of a mild type, and on that account there is

much aversion on the part of many negroes to vaccination. On account of the large number of exposures it is probable the disease will yet spread to a considerable extent.

I inclose a small map of Little Rock and Argenta, showing the location of the disease as reported to date.

Very respectfully,

L. P. GIBSON,  
Acting Assistant Surgeon, U. S. M. H. S.

*Smallpox at Columbus, Tex.*

COLUMBUS, TEX., April 22, 1898.

SIR: I am in receipt of your circular letter of 12th instant, "G. T. V.," asking for report on cases of smallpox at this place, etc. Inclosed find tabulated report of all cases (18 in number) under my care since my appointment, April 2, 1898. Hope same will be satisfactory to you.

\* \* \*

Respectfully, yours,

L. G. THORNTON, M. D.,  
Health Officer.

*Case of smallpox on Olivette en route from Habana.*

PORT TAMPA, FLA., April 21, 1898.

SIR: I have the honor to submit the following report of my detail to Habana, Cuba:

The *Olivette* was chartered by the Spanish Government through her consular representative at Tampa. One hundred and fifty passengers were taken on board, and the *Olivette* left the Port Tampa dock at 2 o'clock Monday, April 18, 1898, arriving at Habana Tuesday, April 19. Our reception by the various officers of the port was most cordial. In company with our clerk, Mr. Espenosa, I visited the British consul, who is in charge of American affairs, and learned that there were no further instructions for me. I was informed that a large mass of mail matter had been received for the American consulate, but Mr. Gallon was unable to open the bags, as the keys were not left with him. I also learned that masters of vessels clearing for ports in the United States were being imposed upon by local physicians, who offered to furnish bills of health and passenger health certificates. The furniture and property in our office was safe, and had not been molested. We left Habana at 5 o'clock of the same day with 94 passengers; 35 had our slips of vaccination; the other 59 were given observation slips. About two hours before arrival at the quarantine station, I found one of the negro waiters convalescing from smallpox. This man, with other newly employed waiters, had been seasick, and had not come under my observation until that moment. Arriving at the quarantine station, I informed the officer in charge of the station, and advised the removal of all passengers and a general vaccination and thorough disinfection of the vessel. The officer in charge agreed, and every precaution was taken. The patient and all baggage were left at the quarantine station. The patient was shipped at Port Tampa, and stated that he was first taken sick about three weeks ago in Port Tampa City.

I have communicated with Dr. Altree, and we will together inspect the houses in that city.

Awaiting your further orders, I have the honor to remain,

Respectfully, yours,

D. E. DUDLEY,  
Assistant Sanitary Inspector, U. S. M. H. S.



*Treatment of passengers and effects on steamship Olivette from Habana to Port Tampa.*

WASHINGTON, D. C., April 21, 1898.

SIR: I have the honor to submit the following report of the treatment of passengers and their effects on the last trip of the steamship *Olivette* from Habana, Cuba, to Tampa, Fla., via Key West:

The *Olivette* left Habana at 6 p. m., Saturday, April 9, with 349 passengers, and your 2 medical officers, acting under instructions from the Bureau, took passage to Port Tampa. Most of the passengers were simply inspected at gangway of steamer, but some few persons—less than one-third—had obtained certificates of immunity to smallpox at the office of the Service at Habana. On arriving at Key West, the quarantine officer, Dr. Sweeting, inspected and passed ashore the passengers for that place. The *Olivette* received there between 60 and 70 additional passengers brought from Habana by the United States steamships *Fern* and *Bache* and the American tramp steamship *Evelyn*.

On arrival of the *Olivette* at the Tampa quarantine station on the morning of Monday, April 11, 3 o'clock, the vessel was boarded by the quarantine officer, Dr. Echmendia, who informed me that the responsibility of inspection of passengers and treatment of vessel was to be placed on the Marine-Hospital Service. Accepting said responsibility, all baggage subject to disinfection under the regulations was removed from vessel to quarantine warehouse to be disinfected.

Then followed an inspection of every passenger for protection against smallpox. In this work we were kindly assisted by Dr. Echmendia and the master of the *Olivette*.

The inspection and vaccination of those persons needing the same was performed in less than three hours, and but little delay occasioned the steamship company. I arrived at Port Tampa at 9 a. m., and reported by wire the presence of Assistant Inspector Dudley and self at that point.

Very respectfully,

W. F. BRUNNER,  
Sanitary Inspector, U. S. M. H. S.

The SUPERVISING SURGEON-GENERAL,  
U. S. Marine-Hospital Service.

*Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 29, 1898.*

Places.	Date.	Cases.	Deaths.	Remarks.
Alabama:				
Bessemer.....	Jan. 6.....	42		
	Jan. 9-Jan. 26....	78		
	Jan. 30-Feb. 19....	23		
Birmingham.....	Jan. 6-Jan. 8....	11		
	Jan. 9-Jan. 26....	29		
	Jan. 30-Feb. 19....	7		
In Jefferson county, outside of the city.....	Feb. 6-Feb. 19....	26		
Carneys Bluff.....	Feb. 17.....			Smallpox reported.
Corona.....	Mar. 4.....	1		
Dolomite.....	Dec. 1-Jan. 17....	21		
Gosport.....	Feb. 17.....			Do.
Glendon.....	Feb. 17.....			Do.
Haynesville.....	Mar. 11.....	400		
Horse Creek Mine.....	Mar. 4.....	3		
Hurricane Bayou.....	Mar. 31-Apr. 22..	14		
Jackson.....	Feb. 17.....	10		
Mobile.....	Feb. 5-Apr. 22..	40	1	
Montevallo.....	Mar. 3.....	1		
Newton.....	Jan. 15-Feb. 2....	7		

## Smallpox in the United States, etc.—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Alabama—Continued.</b>				
Nichola.....	Feb. 17.....	.....	.....	Smallpox reported.
Oxmar.....	Jan. 19.....	.....	.....	Do.
Patton.....	Feb. 1—Mar. 4....	9	.....	.....
Pinecard.....	Feb. 2.....	50	.....	.....
Rock Springs.....	Mar. 11.....	15	.....	.....
Salitpa.....	Feb. 17.....	.....	.....	Do.
Selma.....	Jan. 13—Feb. 14....	3	.....	.....
Shelby.....	Jan. 28—Apr. 22....	8	.....	.....
Talladega.....	Jan. 9—Jan. 28....	41	.....	.....
.....	Jan. 27—Feb. 15....	4	.....	.....
Walker Springs.....	Feb. 17.....	.....	.....	Do.
<b>Arkansas:</b>				
Fair Oaks.....	Mar. 1.....	5	.....	.....
Little Rock and vicinity.....	Mar. 31—Apr. 20....	42	.....	.....
<b>District of Columbia:</b>				
Washington.....	Feb. 7.....	1	.....	Naval Hospital.
.....	Apr. 2—Apr. 22....	6	.....	.....
<b>Florida:</b>				
Jacksonville.....	Mar. 20—Mar. 26....	1	.....	.....
Pensacola.....	Apr. 24.....	1	.....	.....
Washington County.....	Jan. 24.....	12	.....	.....
<b>Georgia:</b>				
Atlanta.....	Jan. 17.....	131	.....	Most cases from county.
.....	Jan. 18—Jan. 25....	18	1	.....
.....	Jan. 26—Feb. 16....	29	1	.....
Cartersville.....	Jan. 15—Mar. 1....	9	1	.....
Griffin.....	Feb. 12.....	2	.....	.....
Macon.....	Jan. 15—Apr. 1....	64	1	.....
Stilesboro.....	Jan. 15.....	.....	.....	Smallpox reported.
<b>Indiana:</b>				
Evansville.....	Feb. 26.....	1	.....	.....
<b>Kentucky:</b>				
Butler.....	Feb. 8—Feb. 24....	1	.....	.....
Louisville.....	Apr. 16.....	1	.....	.....
Middlesborough.....	Feb. 3—Apr. 7....	183	2	.....
<b>Louisiana:</b>				
New Orleans.....	Mar. 13—Apr. 2....	3	.....	.....
<b>Massachusetts:</b>				
Greenfield.....	Feb. 5—Feb. 22....	1	.....	.....
Westfield.....	Feb. 20—Mar. 2....	1	.....	.....
<b>Michigan:</b>				
Ionia.....	Mar. 20—Apr. 16....	.....	.....	Do.
Royal Oak.....	Feb. 12—Mar. 12....	1	.....	.....
<b>New Jersey:</b>				
Westfield.....	Mar. 4.....	1	.....	.....
<b>New Mexico:</b>				
Albuquerque and vicinity.....	Mar. 5—Apr. 1....	14	.....	.....
<b>New York:</b>				
Deposit.....	Nov. 1—Nov. 30...	1	.....	.....
<b>North Carolina:</b>				
Alamance County.....	Feb. 18—Feb. 25....	1	.....	.....
Buncombe County.....	Apr. 16.....	1	.....	.....
Charlotte.....	Jan. 25.....	2	.....	.....
.....	Jan. 26—Feb. 12....	2	.....	.....
Clay County.....	Feb. 15—Feb. 24....	3	.....	.....
Wilmington.....	Jan. 12.....	1	.....	.....
<b>Ohio:</b>				
Columbus.....	Apr. 16—Apr. 22....	1	.....	.....
Fairfield County.....	Apr. 8.....	7	1	.....
<b>Pennsylvania:</b>				
Philadelphia.....	Apr. 13.....	2	.....	.....
<b>South Carolina:</b>				
Arkwright.....	Mar. 25.....	9	.....	.....
Beaufort.....	Jan. 17.....	.....	.....	Do.
Charleston.....	Apr. 22.....	1	.....	.....
Columbia.....	Apr. 6.....	.....	.....	Do.
Dyson.....	Mar. 25.....	3	.....	.....
Greenville.....	Jan. 17.....	.....	.....	Do.
Orangeburg.....	Jan. 17.....	.....	.....	Do.
Felham.....	Mar. 25.....	20	.....	.....
Ridge Springs.....	Mar. 25.....	1	.....	.....
Rock Hill.....	Jan. 17.....	.....	.....	Do.
Spartanburg.....	Jan. 17.....	.....	.....	Do.
Swansea.....	Jan. 15.....	.....	.....	Do.
<b>Tennessee:</b>				
Bristol.....	Mar. 1—Mar. 31....	1	.....	.....
Chattanooga.....	Jan. 1—Jan. 29....	1	.....	.....
.....	Feb. 1—Mar. 31....	19	.....	.....
Elk Valley.....	Mar. 1—Mar. 31....	1	.....	.....
Huntington (near).....	Jan. 1—Jan. 29....	1	.....	.....
Jellico.....	Feb. 1—Mar. 31....	9	.....	.....

*Smallpox in the United States, etc.—Continued.*

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Tennessee—Continued.</b>				
Johnson City.....	Feb. 1-Mar. 31....	13		
Knoxville.....	Jan. 1-Jan. 29....	3		
	Feb. 1-Mar. 31....	28		
Lenoir City.....	Jan. 1-Jan. 29....	2		
	Feb. 1-Feb. 28....	3		
Memphis.....	Jan. 22-Jan. 29....	1		
	Jan. 30-Feb. 10....	1		
Mingo mines.....	Jan. 1-Jan. 29....	6		
Mingo.....	Feb. 1-Mar. 31....	3		
Morristown.....	Feb. 1-Mar. 31....	6		
Newcomb.....	Feb. 1-Feb. 28....	3		
Rockford.....	Mar. 1-Mar. 31....	1		
Rutledge.....	Feb. 1-Mar. 31....	12		
Shields Ferry.....	Mar. 1-Mar. 31....	4		
Sprowles.....	Mar. 1-Mar. 31....	1		
<b>Texas:</b>				
Brownsville.....	Feb. 26.....	1		
<b>Virginia:</b>				
Colburn.....	Feb. 1.....			Smallpox reported.
Norfolk.....	Mar. 1-Mar. 10....	2		
Norton.....	Feb. 1.....			Do.
<b>West Virginia:</b>				
Bluefield.....	Feb. 25.....	5		

*Report of immigration at Boston for the week ended April 23, 1898.*

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of Boston, April 23, 1898.*

*Number of alien immigrants who arrived at this port during the week ended April 23, 1898;  
 also names of vessels and ports from which they came.*

Date.	Vessel.	Wherefrom.	No. of im- migrants.
Apr. 17	Steamship Boston.....	Yarmouth, Nova Scotia.....	99
Do....	Schooner Muriel.....	Bear River, Nova Scotia.....	1
Apr. 18	Steamship Belvidere.....	Port Morant, Jamaica.....	5
Do....	Steamship Scythia.....	Liverpool, England.....	507
Apr. 19	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	29
Apr. 20	Steamship Michigan.....	Liverpool, England.....	33
Do....	Steamship Victorian.....	do.....	23
Apr. 21	Steamship Bostonian.....	London, England.....	27
Do....	Schooner F. Richards.....	Meteghan, Nova Scotia.....	1
Do....	Steamship Yarmouth.....	Yarmouth, Nova Scotia.....	62
Do....	Steamship Halifax.....	Halifax, Nova Scotia.....	51
Apr. 22	Steamship Canada.....	Liverpool, England.....	443
Do....	Steamship Prince Edward.....	Yarmouth, Nova Scotia.....	34
	Total.....		1,315

GEORGE B. BILLINGS,  
*Commissioner.*

*Report of immigration at New York for the week ended April 23, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,  
*Port of New York, April 25, 1898.**Number of alien immigrants who arrived at this port during the week ended April 23, 1898;  
also names of vessels and ports from which they came.*

Date.	Vessel.	Where from.	No. of im- migrants.
Apr. 17	Steamship St. Paul.....	Southampton.....	271
Do....	Steamship Patria.....	Hamburg.....	564
Do....	Steamship Campania.....	Liverpool and Queenstown.....	767
Apr. 18	Steamship La Navarre.....	Havre.....	269
Apr. 20	Steamship Amsterdam.....	Rotterdam.....	151
Apr. 21	Steamship Westernland.....	Antwerp.....	145
Do....	Steamship Trave.....	Bremen.....	77
Do....	Steamship Koenigin Luise.....	do.....	215
Do....	Steamship Russia.....	Naples.....	702
Apr. 22	Steamship Werra.....	Genoa.....	876
Do....	Steamship Germanic.....	Liverpool and Queenstown.....	685
Do....	Steamship Neustria.....	Marseilles and Naples.....	993
Apr. 23	Steamship Fuerst Bismarck.....	Hamburg.....	156
Do....	Steamship Corean.....	Glasgow.....	57
Do....	Steamship Bolivia.....	Palermo and Naples.....	1,324
	Total.....		7,252

THOMAS FITCHIE,  
*Commissioner.*

**QUARANTINE REPORTS.**  
*National quarantine and inspection stations.*  
 [Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Alexandria, Va.	Apr. 23	Sp. bk. Antonio	Apr. 20	Habana	Brunswick	Held for disinfection		No transactions.	5
Brunswick, Ga.	do.	Br. bk. Auriga	Apr. 23	Rio	do.	do.			13
Cape Charles Quarantine, Va.	do.							No transactions.	6
Cape Fear, N. C.	do.							No transactions.	
Delaware Breakwater Quarantine, Del.	Apr. 13							No transactions.	1
Eureka, Cal.	Apr. 20	Nor. bk. Dilbur (a)	Mar. 25	Montevideo, via Barbados	Mobile	Disinfected and held	Apr. 13	Left 2 men at Barbados, said to have typhoid fever.	4
Grays Harbor, Wash.	Apr. 16								
Gulf Quarantine, Ship Island, Miss.									
		Nor. bk. Arcadia (a)	Apr. 4	Rio	Ship Island	Held for disinfection			
		Am. sc. L. N. Dantzier (a)	Apr. 6	Frontera, Mex	Pascagoula	Disinfected and held	Apr. 12		
		Am. sc. Etta A. Stimpson (a)	do.	Barbados	Ship Island	do.	do.		
		Am. sc. Carrie Strong (a)	Apr. 7	Santiago de Cuba, via Dagueri	Apalachicola	do.	do.		
		Am. sc. Robt. H. Rathbun (a)	Apr. 8	Port of Spain, Trinidad	Pascagoula	do.	Apr. 14		
		Am. sc. Palos	Apr. 12	Progreso	Shieldsboro	do.		No transactions.	17
Newbern, N. C.	Apr. 23							No transactions.	4
Port Townsend, Wash.	Apr. 16								
Ready Island Quarantine, Del.	Apr. 23								
San Diego, Cal.	Apr. 16							1 boarded and passed	2
San Francisco Quarantine, Cal.	do.								11
South Atlantic Quarantine, Blackbeard Island, Ga.	do.								1
Tortugas Quarantine, Key West, Fla.	do.							No transactions	
Washington, N. C.	Apr. 23								1

a Previously reported.



## QUARANTINE REPORTS—Continued.

## State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

Name of station.	Week ended.	Name of vessel.	Date of arrival.	Port of departure.	Destination.	Treatment of vessel, passengers, and cargo.	Date of departure.	Remarks.	Vessels inspected and passed.
Anclote, Fla.....									31
Apalachicola, Fla.....	Apr. 23								22
Baltimore, Md.....	Apr. 23								3
Bangor, Me.....									8
Boston, Mass.....									7
Carrabelle, Fla.....	Apr. 23								7
Charleston, S. C.....									1
Elizabeth River, Va.....	do.								16
Galveston, Tex.....								No transactions	
Gardiner, Oreg.....									
Georgetown, S. C.....									
Gloucester, Mass.....	Apr. 23								7
Key West, Monroe Co., Fla.....	do.								7
Mayport, Fla.....	Apr. 23								1
Mobile Bay, Ala.....	Apr. 23								
New Bedford, Mass.....	Apr. 23								
New Orleans, La.....	Apr. 23								
Newport News, Va.....									
Newport, R. I.....									
New York, N. Y.....	Apr. 23								
Port Royal, S. C.....									
Providence, R. I.....									
St. Helena Entrance, S. C.....									
Savannah, Ga.....	Apr. 9	Br. ss. Castledah. Am. sc. Rollin Sanford.	Apr. 5 Apr. 9	Demerara Habana	Port Tampa Tampa	Disinfected and held. do			4
Tampa Bay, Fla.....	Apr. 16	Br. ss. Castledah.(a) Am. sc. Rollin Sanford.(a) Am. sc. W. W. Ward.	Apr. 5 Apr. 9 Apr. 12	Demerara Habana Tamplco	Port Tampa Tampa Port Tampa	do do do	Apr. 11 Apr. 16		2

a Previously reported.

*Reports of States and yearly and monthly reports of cities.*

**CALIFORNIA—Oakland.**—Month of March, 1898. Estimated population, 75,000. Total deaths, 103, including phthisis pulmonalis, 19, and diphtheria, 2.

**San Francisco.**—Month of March, 1898. Estimated population, 360,000. Total deaths, 690, including phthisis pulmonalis, 112; enteric fever, 6; diphtheria and croup, 9, and whooping cough, 1.

**ILLINOIS—Chicago.**—Month of March, 1898. Estimated population, 1,750,000. Total deaths, 2,316, including phthisis pulmonalis, 262; enteric fever, 41; scarlet fever, 10; diphtheria, 43; measles, 7, and whooping cough, 25.

**IOWA—Cedar Rapids.**—Month of March, 1898. Estimated population, 25,000. Total deaths, 13, including phthisis pulmonalis, 2.

**Davenport.**—Month of February, 1898. Estimated population, 36,000. Total deaths, 38, including phthisis pulmonalis, 4, and enteric fever, 1.

**Dubuque.**—Month of February, 1898. Estimated population, 45,000. Total deaths, 34, including diphtheria, 1; phthisis pulmonalis, 3, and enteric fever, 1.

**Keokuk.**—Month of February, 1898. Estimated population, 19,300. Total deaths, 14, including diphtheria, 2.

**Oskaloosa.**—Month of February, 1898. Estimated population, 8,500. Total deaths, 8, including phthisis pulmonalis, 1, and diphtheria, 1.

Month of March, 1898. Total deaths 16; 7 from phthisis pulmonalis.

**MARYLAND—Baltimore.**—Month of March, 1898. Estimated population, white, 431,054; colored, 75,344; total, 506,398. Deaths, white, 742; colored, 257; total, 999, including phthisis pulmonalis, 119; enteric fever, 16; diphtheria, 28; scarlet fever, 5; measles, 5, and whooping cough, 14.

**MASSACHUSETTS—Newton.**—Month of March, 1898. Estimated population, 27,590. Total deaths, 43, including phthisis pulmonalis, 3, and enteric fever, 1.

**Worcester.**—Month of March, 1898. Estimated population, 106,202. Total deaths, 168, including phthisis pulmonalis, 20; enteric fever, 1, and diphtheria, 6.

**MICHIGAN.**—Week ended April 16, 1898. Reports to the State board of health, Lansing, from 58 observers, indicate that intermittent fever, inflammation of bowels, measles, and pneumonia increased in area of prevalence. Phthisis pulmonalis was reported present during the week at 137, measles at 60, scarlet fever at 23, enteric fever at 21, diphtheria at 18, whooping cough at 8, and smallpox at 1 place (Ionia).

**MINNESOTA—St. Paul.**—Month of March, 1898. Estimated population, 215,582. Total deaths, 158, including phthisis pulmonalis, 16; enteric fever, 1; diphtheria, 5, and measles, 8.

**MISSOURI—St. Louis.**—Month of March, 1898. Estimated population, 623,000. Total deaths, 788, including phthisis pulmonalis, 84; enteric fever, 7; diphtheria, 12; measles, 5, and whooping cough, 1.

*Kansas City.*—Month of February, 1898. Estimated population, 200,000. Total deaths, 139, including phthisis pulmonalis, 9; enteric fever, 1; scarlet fever, 1; diphtheria, 5, and measles, 2.

NEW JERSEY—*Hudson County.*—Month of March, 1898. Estimated population, 370,608. Total deaths, 583, including phthisis pulmonalis, 75; enteric fever, 4; scarlet fever, 9; diphtheria, 24; measles, 4, and whooping cough, 1.

NEW YORK—*Yonkers.*—Month of March, 1898. Estimated population, 35,000. Total deaths, 50, including phthisis pulmonalis, 7; diphtheria, 3, and whooping cough, 1.

VIRGINIA—*Norfolk.*—Month of March, 1898. Estimated population, white, 25,710; colored, 19,290; total, 45,000. Deaths, white, 21; colored, 14; total, 35, including phthisis pulmonalis, 2; croup, 1, and measles, 1.

WEST VIRGINIA—*Wheeling.*—Month of January, 1898. Estimated population, 37,000. Total deaths, 47, including phthisis pulmonalis, 8; enteric fever, 1; scarlet fever, 1; measles, 1, and whooping cough, 1.

Month of February, 1898. Total deaths, 61, including phthisis pulmonalis, 4; enteric fever, 6; scarlet fever, 1, and whooping cough, 12.

Month of March, 1898. Total deaths, 72, including phthisis pulmonalis, 5; enteric fever, 3, and whooping cough, 14.

WISCONSIN—*Milwaukee.*—Month of March, 1898. Estimated population, 275,000. Total deaths, 271, including phthisis pulmonalis, 37; enteric fever, 1; diphtheria, 4, and whooping cough, 5.

## MORTALITY TABLE, CITIES OF THE UNITED STATES.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—									
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Variceloid.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Allegheny, Pa.	Apr. 16.	105,287	37	4					1				
Do.	Apr. 23.	105,287	31	3					1			1	2
Ashtabula, Ohio.	do.	8,338	4	1					1				
Baltimore, Md.	Apr. 2.	434,439	219	27					1	2	7	1	
Do.	Apr. 23.	434,439	229	16					5	1	5	2	1
Bennington, Vt.	do.	6,391	2										
Binghamton, N. Y.	do.	35,005	16	3					3				
Boston, Mass.	Apr. 2.	448,477	214	23								6	2
Do.	Apr. 23.	448,477	219	25					3			7	2
Brockton, Mass.	Apr. 16.	27,294	11	3									
Butler, Pa.	Apr. 23.	8,734	2	1									
Cambridge, Mass.	do.	70,028	23	4							1		3
Charleston, S. C.	Apr. 16.	a 54,955	529	2									
Chicago, Ill.	do.	1,099,850	529	61					29	1	5		7
Do.	Apr. 23.	1,099,850	482	55					21	1	6		4
Cincinnati, Ohio.	Apr. 22.	296,908	126	14								1	3
Columbus, Ohio.	do.	88,150	25	7									1
Concord, N. H.	do.	17,044	7	1									
Dayton, Ohio.	Apr. 23.	61,220	30	4									
Dedham, Mass.	Apr. 16.	7,123	4										
Detroit, Mich.	Apr. 23.	205,876	112	7							2		1
Dubois, Pa.	Apr. 16.	6,149	0										
Do.	Apr. 23.	6,149	2										
Dunkirk, N. Y.	Apr. 16.	9,416	3										
Erie, Pa.	Apr. 23.	40,634	15	1									
Everett, Mass.	Apr. 16.	11,068	4										
Fall River, Mass.	Apr. 23.	74,398	33	5									
Fitchburg, Mass.	Apr. 17.	22,037	9	2					1				1
Grand Rapids, Mich.	Apr. 23.	60,278	19	1									
Green Bay, Wis.	Apr. 16.	9,069	7										
Haverhill, Mass.	Apr. 23.	27,412	12	3									
Ironton, Ohio.	do.	10,939	4										
Jacksonville, Fla.	do.	17,301	12	4									
Johnstown, Pa.	do.	21,805	6										
Kalamazoo, Mich.	Apr. 16.	17,853	7	1								2	
Do.	Apr. 23.	17,853	6	1									
Lancaster, Pa.	do.	32,011	4	1									
Lawrence, Mass.	Apr. 16.	44,654	12						1		2		
Do.	Apr. 23.	44,654	14										3
Lowell, Mass.	do.	77,696	35	5								1	
Lynchburg, Va.	do.	19,709	7	2					1				
McKeesport, Pa.	Apr. 16.	20,741	7										
Manchester, N. H.	Apr. 23.	44,126	12										
Medford, Mass.	do.	11,079	4	1									
Melrose, Mass.	Apr. 16.	8,519	3										
Memphis, Tenn.	Apr. 23.	64,495	31	4									
Michigan City, Ind.	Apr. 16.	10,776	5										
Do.	Apr. 23.	10,776	3	1									
Middletown, N. Y.	do.	11,977	11	1									
Milwaukee, Wis.	do.	204,468	77	5							1		
Mobile, Ala.	Apr. 16.	31,076	14	2									
New Bedford, Mass.	Apr. 23.	40,733	23	2									
Newburyport, Mass.	Apr. 16.	13,947	9	1									
New Orleans, La.	do.	242,039	104	20									
Newport, R. I.	Apr. 23.	19,457	4										
New York, N. Y.	do.	1,515,301	1,171	127					2	16	37	24	16
Norristown, Pa.	Apr. 2.	19,791	3										
Do.	Apr. 23.	19,791	3										
Oakland, Cal.	Mar. 5.	46,682	23	5								1	
Do.	Mar. 12.	46,682	23	3									
Do.	Mar. 19.	46,682	18	2									
Do.	Mar. 26.	46,682	20	5									
Do.	Apr. 2.	46,682	27	6								1	
Do.	Apr. 9.	46,682	14	2								1	
Omaha, Nebr.	Apr. 16.	140,452	23									1	
Oneonta, N. Y.	Apr. 23.	6,272	1										
Orange, N. J.	do.	18,884	12									1	
Petersburg, Va.	Apr. 24.	22,680	8	1									
Philadelphia, Pa.	Apr. 23.	1,046,964	445	54					6	2	13	7	5
Pittsburg, Pa.	Apr. 16.	238,617	108	8					5				3
Pittsfield, Mass.	Apr. 23.	17,281	4										

a Estimated population, white, 28,870; colored, 36,293. Total, 65,165. b White, 13; colored, 16.

## MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

Cities.	Week ended.	Population, U. S. Census of 1890.	Total deaths from all causes.	Deaths from—								
				Phthisis pulmonalis.	Yellow fever.	Smallpox.	Varicella.	Cholera.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.
Plainfield, N. J.	Apr. 23.	11,267	3									
Portland, Me.	do.	36,425	12	2								
Providence, R. I.	do.	132,146	53	3								
Pueblo, Col.	Apr. 16.	24,338	5									
Reading, Pa.	Apr. 25.	58,661	28	5							1	1
St. Louis, Mo.	Apr. 16.	451,770	180	14						1		
Salt Lake City, Utah.	do.	44,843	15							1		
San Diego, Cal.	Apr. 18.	16,159	6									
San Jose, Cal.	Apr. 16.	18,060	6	2								
Santa Barbara, Cal.	do.	5,864	3									
Sault Ste. Marie, Mich.	do.	5,760	4									
Scranton, Pa.	Apr. 23.	75,215	29									
Shreveport, La.	Apr. 16.	11,979	6								1	
Spokane, Wash.	do.	19,922	9							2		
Taunton, Mass.	do.	25,448	10	2								
Do.	Apr. 23.	25,448	8	1								
Urbana, Ohio.	Apr. 24.	6,510	1									
Virginia City, Nev.	Apr. 16.	8,511	0									
Waltham, Mass.	Apr. 23.	18,707	2									
Warren, Ohio.	do.	5,973	3									
Washington, D. C.	Apr. 16.	230,392	87	16					3		4	
Winona, Minn.	do.	18,208	3									
Worcester, Mass.	Apr. 15.	84,656	45	5							1	
Yonkers, N. Y.	Apr. 22.	32,083	12								1	1
Youngstown, Ohio.	do.	33,220	10						2			



Table of temperature and rainfall, week ended April 25, 1898.

[Received from Department of Agriculture, Weather Bureau.]

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	a Excess.	a Deficiency.	Normal.	Excess.	Deficiency.
<b>Atlantic Coast:</b>						
Eastport, Me.....	42	0		.63	.57	
Portland, Me.....	47		3	.70	1.70	
Northfield, Vt.....	43		1	.53	1.27	
Boston, Mass.....	49		1	.77	2.63	
Vineyard Haven, Mass.....	49	1		.59	1.41	
Nantucket, Mass.....	45	3		.84	.16	
Woods Hole, Mass.....	46	0		.91	1.09	
Block Island, R. I.....	49	2		.77	1.13	
New Haven, Conn.....	49	1		.77	1.63	
Albany, N. Y.....	50		2	.60	.90	
New York, N. Y.....	51	3		.77	1.03	
Harrisburg, Pa.....	53	1		.85		.33
Philadelphia, Pa.....	53	3		.70	.40	
New Brunswick, N. J.....	54	1		.74	1.43	
Atlantic City, N. J.....	50	2		.73	.27	
Baltimore, Md.....	55	3		.77		.07
Washington, D. C.....	55	4		.75		.03
Lynchburg, Va.....	58	4		.78		.18
Cape Henry, Va.....	57	7		1.01	.19	
Norfolk, Va.....	58	8		.91		1.01
Charlotte, N. C.....	62	2		.79	.51	
Raleigh, N. C.....	60	6		.59	.31	
Kittyhawk, N. C.....	58	8		.98		.78
Hatteras, N. C.....	59	7		1.05		.95
Wilmington, N. C.....	63	5		.67		.57
Columbia, S. C.....	65	1		.62	.58	
Charleston, S. C.....	66	4		.84		.14
Augusta, Ga.....	66	0		.74	.56	
Savannah, Ga.....	68	2		.82	.08	
Jacksonville, Fla.....	71	1		.65	.55	
Jupiter, Fla.....	73	3		.60		.50
Key West, Fla.....	77	1		.28		.28
<b>Gulf States:</b>						
Atlanta, Ga.....	64		2	.84	1.36	
Tampa, Fla.....	72	4		.39		.39
Pensacola, Fla.....	70		2	.75		.65
Mobile, Ala.....	69		1	.97	.33	
Montgomery, Ala.....	67		1	1.05	.35	
Vicksburg, Miss.....	67		1	1.35	.35	
New Orleans, La.....	70			1.19	.11	
Shreveport, La.....	67	0		1.23		.83
Fort Smith, Ark.....	62	2		1.30		.10
Little Rock, Ark.....	64	0		1.17	.43	
Palestine, Tex.....	67	3		1.13		1.03
Galveston, Tex.....	70	2		.70		.50
San Antonio, Tex.....	71	3		.74		.74
Corpus Christi, Tex.....	72	2		.36		.36
<b>Ohio Valley and Tennessee:</b>						
Memphis, Tenn.....	63		1	1.26		.16
Nashville, Tenn.....	62		4	1.12		.52
Chattanooga, Tenn.....	63		3	1.02	.68	
Knoxville, Tenn.....	60	0		1.14		.54
Louisville, Ky.....	58	0		1.00		.30
Indianapolis, Ind.....	55		3	.91	.19	
Cincinnati, Ohio.....	56		2	.77		.17
Columbus, Ohio.....	54		2	.77	.23	
Parkersburg, W. Va.....	55	1		.80	.10	
Pittsburg, Pa.....	54	0		.68	.12	
<b>Lake Region:</b>						
Oswego, N. Y.....	45		3	.49	1.41	
Rochester, N. Y.....	47		1	.59	.61	
Buffalo, N. Y.....	44	2		.60	.60	
Erie, Pa.....	47		1	.58	.72	
Cleveland, Ohio.....	48	0		.53	1.07	
Sandusky, Ohio.....	51		1	.60	1.20	
Toledo, Ohio.....	50		2	.53	.87	
Detroit, Mich.....	49		1	.54	.56	
Lansing, Mich.....	51		5	.56	.64	
Port Huron, Mich.....	45		1	.53	.17	
Alpena, Mich.....	40	2		.56	.74	
Sault Ste. Marie, Mich.....	41	1		.41	.19	
Marquette, Mich.....	40		2	.49	1.11	
Green Bay, Wis.....	45		1	.82	1.28	
Grand Haven, Mich.....	46		2	.63	.77	

a The figures in these columns represent the average daily departure.

Table of temperature and rainfall, week ended April 25, 1898—Continued.

Locality.	Temperature in degrees Fahrenheit.			Rainfall in inches and hundredths.		
	Normal.	Excess.	Deficiency.	Normal.	Excess.	Deficiency.
<b>Lake Region—Continued.</b>						
Milwaukee, Wis.....	45		1	.70	.90	
Chicago, Ill.....	47		3	.73		.53
Duluth, Minn.....	40	0		.61		.31
<b>Upper Mississippi Valley:</b>						
St. Paul, Minn.....	49		3	.63	.17	
La Crosse, Wis.....	50		4	.57	1.23	
Dubuque, Iowa.....	51		5	.67	.23	
Davenport, Iowa.....	52		2	.69	.41	
Des Moines, Iowa.....	53		3	.73	.27	
Keokuk, Iowa.....	54		2	.84	.66	
Hannibal, Mo.....	56		4	.58	.12	
Springfield, Ill.....	55		5	.93	.37	
Calro, Ill.....	61		1	.91		.61
St. Louis, Mo.....	58		2	.91		.11
<b>Missouri Valley:</b>						
Columbia, Mo.....	59		5	1.14		.54
Springfield, Mo.....	58		4	.96	.44	
Kansas City, Mo.....	57		3	.72	.38	
Topeka, Kans.....	60		4	.61	1.09	
Wichita, Kans.....	58	0		.57	.53	
Concordia, Kans.....	56	0		.53		.03
Lincoln, Nebr.....	54		2	.63		.43
Omaha, Nebr.....	54		2	.82		.42
Sioux City, Iowa.....	53		1	.77		.37
Yankton, S. Dak.....	50	2		.76		.66
Valentine, Nebr.....	50		2	.70		.60
Huron, S. Dak.....	49		1	.70		.50
Pierre, S. Dak.....	54		4	.49		.29
Moorhead, Minn.....	46		2	.56	.14	
Bismarck, N. Dak.....	47		3	.59		.19
Williston, N. Dak.....	47		1	.39	.11	
<b>Rocky Mountain Region:</b>						
Havre, Mont.....	48		2	.22		.22
Helena, Mont.....	46	2		.28		.28
Miles City, Mont.....	50	0		.28		.18
Rapid City, S. Dak.....	50		2	.59		.29
Spokane, Wash.....	50	0		.35		.15
Walla Walla, Wash.....	57		1	.35	.65	
Baker City, Oreg.....	48			.28		
Winnemucca, Nev.....	48	8		.22	.08	
Idaho Falls, Idaho.....	46	4		.35		.35
Salt Lake City, Utah.....	51	5		.49	.21	
Lander, Wyo.....	44	2		.60		.60
Cheyenne, Wyo.....	41	3		.35		.35
North Platte, Nebr.....	51	1		.56		.56
Denver, Colo.....	48	4		.54		.54
Pueblo, Colo.....	50	6		.40		.20
Dodge City, Kans.....	55	3		.42		.12
Oklahoma, Okla.....	63		3	.75		.65
Amarillo, Tex.....	59	1		.25		.15
Abilene, Tex.....	65	3		.72		.72
Santa Fe, N. Mex.....	47	5		.21		.21
El Paso, Tex.....	64	8		.05		.05
Phoenix, Ariz.....	68	6		.07		.07
<b>Pacific Coast:</b>						
Seattle, Wash.....	51	1		.74		.30
Tacoma, Wash.....	50	2		.77	.03	
Fort Canby, Wash.....	50		2	1.26		.46
Portland, Oreg.....	53	1		.68	.12	
Roseburg, Oreg.....	52	4		.59		.39
Eureka, Cal.....	51		1	.83		.83
Redbluff, Cal.....	61	5		.45		.45
Carson City, Nev.....	50	4		.21		.21
Sacramento, Cal.....	59	3		.50		.50
San Francisco, Cal.....	55		1	.40		.40
Fresno, Cal.....	64	4		.26		.26
San Luis Obispo, Cal.....	57			.41		
Los Angeles, Cal.....	60	4		.24		.24
San Diego, Cal.....	59	1		.14		.14
Yuma, Ariz.....	72	4		.00	.00	

a The figures in these columns represent the average daily departure.

## FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

*Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to April 29, 1898.*

## CHOLERA.

Places.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay .....	Nov. 24-Nov. 30.....		4	
	Dec. 1-Mar. 1.....		55	
	Mar. 2-Mar. 22.....		8	
Calcutta.....	Nov. 14-Dec. 4.....		42	
	Dec. 5-Jan. 1.....		31	
	Jan. 2-Jan. 29.....		28	
	Jan. 30-Feb. 26.....		82	
	Feb. 27-Mar. 12.....		43	
Madras.....	Nov. 20-Dec. 10.....		8	
	Dec. 4-Dec. 31.....		11	
	Jan. 1-Jan. 28.....		45	
	Jan. 29-Mar. 18.....		28	
Singapore.....	Nov. 1-Nov. 30.....		1	
	Dec. 1-Dec. 31.....		1	

## YELLOW FEVER.

Brazil:				
Bahia.....	Dec. 27.....	3	2	
	Dec. 29.....	6		
Ceara.....	Nov. 1-Nov. 30.....		1	
Para.....	Dec. 12-Jan. 1.....		24	
	Jan. 2-Jan. 15.....		22	
	Jan. 16-Feb. 28.....		30	
Ribeirao Bonito.....	Feb. 1-Feb. 28.....	79	19	
Rio de Janeiro.....	Nov. 21-Dec. 4.....	1		
	Dec. 5-Jan. 1.....	8	3	
	Jan. 1-Jan. 29.....	22	17	
	Jan. 30-Mar. 18.....	183	225	
Sao Carlos de Pinhal.....	Feb. 28.....	46	11	
Santos .....	Jan. 2-Jan. 8.....	1	1	
	Jan. 23-Jan. 29.....	3		
	Jan. 30-Feb. 28.....	21	3	
Sao Paulo.....	Feb. 1-Feb. 28.....	2	1	
Cuba:				
Cienfuegos.....	Dec. 20-Jan. 2.....		2	
	Jan. 3-Jan. 23.....		1	
Habana .....	Dec. 17-Dec. 30.....		6	
	Dec. 31-Jan. 27.....		9	
	Jan. 28-Feb. 17.....		3	
	Mar. 4-Mar. 31.....		4	
Manzanillo.....	Dec. 1-Dec. 31.....		28	
	Jan. 1-Jan. 31.....		9	
	Feb. 14-Feb. 28.....		3	
Matanzas.....	Dec. 15-Jan. 19.....		4	
	Feb. 9-Feb. 23.....		2	
Regla.....	Dec. 31-Feb. 28.....		7	
	Mar. 1-Mar. 24.....		2	
Sagua la Grande.....	Dec. 18-Jan. 20.....			
Santiago de Cuba.....	Dec. 19-Jan. 29.....		6	
Jamaica:				
Kingston.....	Dec. 19-Jan. 1.....	1	1	
	Jan. 2-Jan. 31.....	2	2	
	Feb. 5-Feb. 19.....	2	1	
St. Andrew.....	Dec. 19-Jan. 1.....	1		
	Feb. 27-Mar. 5.....	1	1	
St. Catherine.....	Dec. 19-Jan. 1.....	1		
St. Elizabeth.....	Dec. 19-Jan. 1.....	1	1	

Taken off of Nor. bk. Adonis.

Yellow fever reported.

A few cases of yellow fever, but impossible to obtain statistics.

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## PLAGUE.

Places.	Date.	Cases.	Deaths.	Remarks.
Arabia:				
Jiddah.....	Mar. 25.....		3	
China:				
Hongkong.....	Nov. 7-Nov. 20...	2	2	
	Dec. 18-Jan. 1...	2	2	
	Jan. 2-Jan. 29...	6	5	
	Jan. 30-Feb. 26...	64	43	
	Feb. 27-Mar. 12...	38	32	
India:				
Bombay.....	Nov. 24-Nov. 30...		70	
	Dec. 1-Feb. 8...		4,833	
	Feb. 9-Mar. 1...		3,436	
	Mar. 2-Mar. 22...		3,601	
Japan:				
Taiwan (Formosa).....	Dec. 28-Mar. 23...	113		

## SMALLPOX.

Bohemia:			
Prague.....	Dec. 12-Jan. 1...	11	
	Jan. 2-Apr. 2...	105	
Brazil:			
Pernambuco.....	Dec. 1-Dec. 25...		8
Rio de Janeiro.....	Nov. 21-Dec. 4...	10	
	Dec. 5-Jan. 1...	9	1
	Jan. 1-Mar. 11...	1	1
Sao Paulo.....	Feb. 1-Feb. 28...	24	4
Sorocaba.....	Dec. 16-Jan. 30...	32	10
Canada:			
Maiesonneuve.....	Jan. 26-Feb. 16...	3	
Montreal.....	Jan. 3-Jan. 12...	3	0
	Feb. 11-Feb. 16...	1	
China:			
Hongkong.....	Nov. 7-Dec. 4...	6	4
	Dec. 5-Jan. 1...	11	8
	Jan. 2-Mar. 12...	158	93
Cuba:			
Cardenas.....	Dec. 19-Jan. 22...		5
	Mar. 6-Mar. 27...		8
Cienfuegos.....	Dec. 20-Jan. 2...		7
	Jan. 3-Jan. 23...		19
	Feb. 7-Feb. 27...		35
	Feb. 28-Apr. 3...		9
Habana.....	Dec. 17-Apr. 7...		154
Matanzas.....	Jan. 20-Feb. 23...		8
Regla.....	Feb. 18-Apr. 7...		3
Sagua la Grande.....	Dec. 19-Jan. 29...	233	29
	Jan. 30-Feb. 26...	470	35
	Feb. 27-Apr. 4...	437	26
England:			
Bristol.....	Feb. 6-Feb. 19...	1	
Leeds.....	Mar. 19-Apr. 9...	6	4
Liverpool.....	Jan. 15-Jan. 29...	3	
	Feb. 1-Apr. 2...	6	
London.....	Feb. 27-Mar. 26...	4	
Middlesborough.....	Feb. 9.....	90	
Newcastle on Tyne.....	Mar. 19-Apr. 9...	4	
Southampton.....	Jan. 8-Feb. 12...	2	
Sunderland.....	Dec. 18-Jan. 8...	1	
	Feb. 27-Mar. 26...	4	
West Hartlepool.....	Jan. 9-Jan. 22...	5	
Germany:			
Hamburg.....	Mar. 6-Mar. 12...	2	
Gibraltar.....	Dec. 6-Dec. 12...	1	
	Dec. 27-Apr. 3...	6	
India:			
Bombay.....	Feb. 9-Mar. 22...		9
Calcutta.....	Dec. 19-Dec. 25...		1
	Jan. 30-Mar. 12...		16
Madras.....	Nov. 27-Dec. 3...		1
	Dec. 4-Dec. 31...		3
	Jan. 1-Jan. 28...		6
	Jan. 29-Feb. 4...		6
	Feb. 5-Mar. 18...		34
Italy:			
Messina.....	Dec. 12-Jan. 8...		5
	Jan. 30-Feb. 26...		2

*Cholera, yellow fever, plague, smallpox, etc.—Continued.*

## SMALLPOX—Continued.

Places.	Date.	Cases.	Deaths.	Remarks.
<b>Japan:</b>				
Aichi Ken.....	Dec. 28-Mar. 23...	4	.....	
Akita Ken.....	Dec. 28-Mar. 23...	14	4	
Awomori Ken.....	Dec. 28-Mar. 23...	30	3	
Chiba Ken.....	Dec. 28-Feb. 3...	6	.....	
Formosa.....	Feb. 4-Mar. 3...	7	4	
Fukui Ken.....	Dec. 28-Feb. 3...	1	.....	
Fukushima Ken.....	Dec. 28-Mar. 23...	81	22	
Gifu Ken.....	Feb. 4-Feb. 22...	1	.....	
Gumma Ken.....	Feb. 4-Feb. 22...	1	.....	
Hiroshima Ken.....	Jan. 22-Feb. 3...	1	.....	
Iwate Ken.....	Dec. 28-Mar. 23...	39	4	
Kagoshima Ken.....	Feb. 4-Feb. 22...	1	.....	
Kanagawa Ken.....	Dec. 28-Jan. 21...	3	.....	
Kochi Ken.....	Dec. 28-Jan. 21...	1	.....	
Miyagi Ken.....	Dec. 17-Dec. 27...	2	3	
	Dec. 28-Mar. 23...	57	15	
Miyazaki Ken.....	Jan. 22-Feb. 3...	3	1	
Nagano Ken.....	Feb. 4-Mar. 23...	9	5	
Nagasaki Ken.....	Jan. 22-Mar. 23...	4	1	
Niigata Ken.....	Mar. 4-Mar. 23...	4	1	
Okayama Ken.....	Feb. 4-Feb. 22...	2	1	
Osaka Fu.....	Dec. 28-Feb. 22...	2	.....	
Oyama Ken.....	Mar. 4-Mar. 23...	1	1	
Saitama Ken.....	Dec. 17-Dec. 27...	1	.....	
Tokyo Fu.....	Dec. 28-Mar. 23...	6	.....	
Yamagata Ken.....	Jan. 22-Mar. 23...	29	8	
Yamaguchi Ken.....	Feb. 4-Feb. 22...	9	.....	
Yehime Ken.....	Dec. 17-Mar. 23...	52	12	
The Hokkaido.....	Dec. 17-Dec. 27...	70	26	
	Dec. 28-Mar. 23...	353	96	
<b>Norway:</b>				
Christiania.....	Mar. 20-Apr. 2...	5	1	
<b>Netherlands:</b>				
Amsterdam.....	Dec. 12-Dec. 24...	1	.....	
Rotterdam.....	Dec. 12-Dec. 31...	3	1	
	Jan. 1-Jan. 29...	1	.....	
<b>Russia:</b>				
Moscow.....	Nov. 23-Dec. 4...	1	1	
	Dec. 5-Dec. 11...	1	1	
	Jan. 1-Mar. 2...	14	6	
Odessa.....	Dec. 5-Jan. 1...	53	9	
	Jan. 2-Jan. 29...	34	7	
	Jan. 30-Apr. 2...	52	9	
St. Petersburg.....	Dec. 4-Dec. 25...	35	13	
	Jan. 9-Jan. 29...	56	19	
	Jan. 30-Mar. 26...	32	.....	
Warsaw.....	Dec. 19-Mar. 26...	71	.....	
<b>Scotland:</b>				
Glasgow.....	Dec. 5-Dec. 25...	3	1	
Leith.....	Apr. 3-Apr. 9...	1	.....	
<b>Spain:</b>				
Corunna.....	Jan. 1-Feb. 5...	.....	2	
Madrid.....	Dec. 22-Dec. 28...	.....	1	
	Feb. 8-Feb. 23...	.....	2	
<b>Turkey:</b>				
Constantinople.....	Jan. 10-Feb. 6...	.....	53	
	Feb. 28-Mar. 13...	.....	18	
<b>Uruguay:</b>				
Montevideo.....	Dec. 25-Mar. 12...	3	.....	
<b>Venezuela:</b>				
Puerto Cabello.....	Apr. 2-Apr. 11...	23	6	
Valencia.....	Apr. 2-Apr. 11...	54	.....	
<b>Wales:</b>				
Cardiff.....	Dec. 18-Dec. 24...	1	.....	



*Current quarantine measures.*

[Translated in this Bureau from the "Veröffentlichungen des Kaiserlichen Gesundheitsamtes," Berlin, April 6, 1898.]

## PLAGUE.

**TURKEY.**—The International Council of Health at Constantinople resolved, March 24, that the port of Lith shall serve as port of departure for the pilgrimage to Mecca, instead of that of Djiddah. This resolution shall be carried out as follows:

1. The town of Djiddah shall be completely isolated.
2. Residents of Djiddah who desire to make the pilgrimage must undergo a twelve days' quarantine, with disinfection at the lazaretto of Abou Saad.
3. All pilgrim vessels arriving from ports north of Suez Canal, and also from the south and Camaran, shall discharge their pilgrims at the port of Lith, from which point they shall take the direct land route to Mecca.
4. Departures from Djiddah shall undergo a ten days' quarantine at the lazaretto ports of Tripoli, in Africa, Beirut, and Smyrna.
5. The export from Djiddah of articles capable of diffusing plague infection is prohibited. Provisions which have been already collected at Djiddah for the pilgrimage, such as rice, dates, petroleum, and food supplies generally, shall be allowed free export, but in future such supplies shall be laded at Lith instead of Djiddah.
6. A commission, consisting of 3 physicians, the general inspector of sanitation being in charge, shall repair immediately to Djiddah. The general inspector shall have full authority for the organization of the service. Physicians shall be sent to Lith and Yambo.

**EGYPT.**—The ministerial council, under the presidency of the Khedive, resolved on March 12, in case of an outbreak of plague in the Hedjaz, to use every means to prevent the return of pilgrims to Egypt until the suppression of the epidemic. Every Egyptian who intends to make the pilgrimage must pledge himself in writing to remain at the Hedjaz during the prevalence of the epidemic, and shall show that he possesses means for the outgoing and incoming voyage and maintenance during six months at the Hedjaz for himself and those belonging to him. The authorities shall strictly impress these requirements on all intending pilgrims.

The standing commission of the International Sanitary Council at Alexandria resolved, on March 25, to put the pilgrim regulations in force against arrivals from Djiddah.

## SMALLPOX.

**DANISH ANTILLES.**—Quarantine for arrivals from Mayaguez in Puerto Rico is removed from March 19.

## JAMAICA.

*Sanitary report from Kingston.*

CONSULATE OF THE UNITED STATES OF AMERICA,  
*Kingston, Jamaica, April 16, 1898.*

SIR: Pursuant to your instructions, I reported to Consul L. A. Dent for temporary duty at this place and immediately made an examination of the city and of its sanitary condition, finding both most satisfactory.

The city of Kingston, lying on the shores of the bay of the same name, with an estimated population of about 45,000 inhabitants, mostly colored, with wide and perfectly leveled streets, with houses surrounded by gardens and large trees, presents a most picturesque appearance and reminds one very much of an American country town.

Hygienic measures of a higher order are highly recommended and severely enforced, the law strictly punishing any disobedience in this respect.

Sewage is being established now to replace the old fashioned way of carrying off the accumulated water used for household purposes by means of gutters.

There are two public hospitals containing about 300 beds and possessing all the improvements made necessary by modern medical science. The wards are large and well ventilated, and the medical staff a most competent body of medical practitioners. The prevailing diseases at present are malarial fevers, influenza, and infantile disorders.

There were 138 deaths during the month of March, 1898, the principal causes of which were as follows: Enteric fever, 3; puerperal fever, 2; malarial fever, 4; influenza, 8; dysentery, 2; infantile diarrhea, 5; phthisis, 19; brain disease, 4; laryngitis, 1; bronchitis, 4; pneumonia, 5; heart disease, 5; kidney disease, 3; stomach and liver diseases, 11; infantile diseases, 31; violence, 2; at the public hospitals from various diseases, 29.

Respectfully,

H. S. CAMINERO, M. D.,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

#### JAPAN.

##### *Sanitary report from Yokohama.*

YOKOHAMA, JAPAN, April 2, 1898.

SIR: I have the honor to report that, since the date of my last regular return, the situation here, as regards sanitary matters, remains practically unchanged.

Stragglings cases of so-called cholera continue to be reported to the sanitary police, but there is little probability of the disease being genuine. The law of notification of infectious disease is stringent, and, in many cases, the lower class of medical practitioners prefer to err, if at all, on what to them is the safe side.

Incidentally I may state that the authorities of Shanghai, who are not prone to such action unless the situation seems a grave one, have declared quarantine against the ports of southern China, as plague is spreading.

I am, sir, very respectfully, your obedient servant,

STUART ELDRIDGE, M. D.,  
*Sanitary Inspector, U. S. M. H. S.*

The SUPERVISING SURGEON-GENERAL,  
*U. S. Marine-Hospital Service.*

#### VENEZUELA.

##### *Smallpox at Valencia and Puerto Cabello—(Continued).*

CONSULATE OF THE UNITED STATES,  
*La Guayra, April 11, 1898.*

SIR: I have to report that smallpox has appeared in Venezuela, and that a few weeks ago it first broke out in Valencia, a town between

Caracas and Puerto Cabello. It later spread to Puerto Cabello, where to-day there are 23 cases, and 6 deaths have been reported. In Valencia there are said to be 54 cases to-day. The port of Puerto Cabello is closed, and no vessels from that port are admitted here. A few days ago I found out that communications overland between here and Valencia and Puerto Cabello are entirely open and travel is not interrupted; consequently it is only a question of time when the disease will spread to this port. I reported this to Mr. Loomis, E. E. and M. P., at Caracas, and he told me he would cable to the Government, which is the reason I have not cabled myself.

As no smallpox has been reported at this port, I am obliged to give clean bills of health to vessels leaving this port, for the present, but considering the situation I would request that you give me instruction (by cable, if necessary) how to act in this matter. It is very difficult here to obtain accurate information as to the sanitary condition, as the Government of this country does not wish to give publication to the outside as to the exact condition of the country from a sanitary standpoint, as at the present date most of the islands of the Windward and West Indies group are already quarantining all vessels coming from any point in Venezuela.

I am, sir, your obedient servant,

LOUIS GOLDSCHMIDT,  
United States Consul.

HON. ASSISTANT SECRETARY OF STATE.

#### STATISTICAL REPORTS.

**BAHAMAS—Dunmore Town.**—Two weeks ended April 8, 1898. Estimated population, 1,472. No deaths.

**Governors Harbor.**—Two weeks ended April 9, 1898. Estimated population, 1,500. One death. No death from contagious disease.

**Green Turtle Cay—Abaco.**—Two weeks ended April 7, 1898. Estimated population, 3,900. No deaths.

**CUBA—Manzanillo.**—Two weeks ended March 31, 1898. Estimated population, 20,000. Total deaths, 109, including 6 from enteric fever.

**FRANCE—Nantes.**—Month of March, 1898. Estimated population, 150,000. Total number of deaths not reported. The deaths included enteric fever, 2, and diphtheria, 1.

**Roubaix.**—Month of March, 1898. Estimated population, 120,000. Total deaths, 220, including enteric fever, 1; measles, 10, and whooping cough, 2.

**GREAT BRITAIN—England and Wales.**—The deaths registered in 33 great towns in England and Wales during the week ended April 9 correspond to an annual rate of 20.2 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Liverpool, viz, 27.7, and the lowest in Oldham, viz, 14.1.

**London.**—One thousand six hundred and ninety-one deaths were registered during the week, including measles, 108; scarlet fever, 19; diphtheria, 29; whooping cough, 64; enteric fever, 9, and diarrhea and dysentery, 15. The deaths from all causes correspond to an annual rate of 19.6 a thousand. In greater London 2,194 deaths were regis-

tered, corresponding to an annual rate of 17.9 a thousand of the population. In the "outer ring" the deaths included 36 from measles, 4 from scarlet fever, 13 from diphtheria, and 15 from whooping cough.

*Ireland.*—The average annual death rate represented by the deaths registered during the week ended April 9 in the 23 principal town districts of Ireland was 25.5 a thousand of the population. The lowest rate was recorded in Queenstown, viz, 5.7, and the highest in Limerick, viz, 47.7 a thousand. In Dublin and suburbs 163 deaths were registered, including enteric fever, 3; whooping cough, 2, and diphtheria, 2.

*Scotland.*—The deaths registered in 8 principal towns during the week ended April 9 correspond to an annual rate of 24.1 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Perth, viz, 17.0, and the highest in Dundee, viz, 31.9 a thousand. The aggregate number of deaths registered from all causes was 728, including measles, 24; scarlet fever, 4; diphtheria, 9, and whooping cough, 44.

*NICARAGUA—San Juan del Norte.*—Month of March, 1898. Estimated population, 1,156. Total deaths, 4. No deaths from contagious diseases.

## MORTALITY TABLE, FOREIGN CITIES.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—								
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.	Whooping cough.
Acapulco.....	Apr. 9....	5,000	7									
Aix la Chapelle.....	Apr. 2....	127,532	53									
Amherstburg.....	Apr. 9....	2,300	0									
Do.....	Apr. 16....	2,300	0									
Amsterdam.....	Apr. 9....	505,326	195				1		1	1		
Antwerp.....	Apr. 2....	282,872	98					2	12			
Belfast.....	do.....	304,610	153				7	1		4	1	2
Belize.....	Apr. 14....	13,000	5									
Belleville.....	Apr. 18....	10,399	1									
Berlin.....	Apr. 26....	1,728,201	539					1	2	12	4	
Birmingham.....	Apr. 9....	505,772	215					7	1	3	3	5
Bluefields.....	do.....	3,000	2									
Bradford.....	do.....	231,260	98					1			6	1
Bremen.....	Mar. 26....	143,500	57						2		3	
Do.....	Apr. 2....	143,500	41								1	
Bristol.....	Apr. 9....	316,900	120						1		3	18
Brussels.....	Apr. 2....	531,024	229					2		1		6
Callao.....	Mar. 27....	20,000	21									
Cardiff.....	Apr. 2....	177,770	60					1				
Do.....	Apr. 9....	177,770	53							1	3	1
Catania.....	Apr. 7....	120,000	43							1		
Chemnitz.....	Apr. 2....	163,000	79									
Christiania.....	do.....	206,000	74		1						1	
Colon.....	do.....	342,773	139							1	6	3
Copenhagen.....	do.....	351,000	111							1	3	7
Crefeld.....	Apr. 9....	110,000	26							1	1	
Dresden.....	Mar. 12....	379,400	155							1	3	4
Do.....	Mar. 19....	379,400	146								2	
Do.....	Mar. 26....	379,400	128							1	3	1
Dublin.....	Apr. 2....	350,000	235					3	2			
Dundee.....	do.....	164,573	75						1			3
Do.....	Apr. 9....	164,573	101							1		2
Dusseldorf.....	Apr. 2....	191,605	71							2	1	
Edinburgh.....	Apr. 9....	295,628	100					2			1	2
Flushing.....	do.....	17,193	7									3
Frankfort on the Main.....	do.....	244,000	77						1			1
Funchal.....	Mar. 10....	35,665	29									
Ghent.....	Apr. 2....	161,125	69							1		
Do.....	Apr. 9....	161,125	68									1
Gibraltar.....	Apr. 3....	25,900	12									
Girgenti.....	Apr. 2....	24,428	14									
Gothenburg.....	do.....	119,754	43							1	3	1
Guayaquil.....	Apr. 1....	50,000	92									1
Do.....	Apr. 8....	50,000	65									
Halifax.....	Apr. 16....	38,700	11									
Hamburg.....	Apr. 9....	661,015	213								4	6
Hamilton, Bermuda.....	Apr. 12....	16,000	1									2
Havre.....	Apr. 2....	119,170	55							2		
Hongkong.....	Feb. 26....	261,258	a 140		2							
Do.....	Mar. 5....	261,258	b 108		5							
Iquique.....	do.....	33,106	39									
Do.....	Mar. 12....	33,106	39									
Do.....	Mar. 19....	33,106	40									
Do.....	Mar. 26....	33,106	25									
Kingston, Canada.....	Apr. 22....	18,800	8									
Leeds.....	Mar. 26....	416,618	147						1	7	1	3
Do.....	Apr. 2....	416,618	195						1	2	1	4
Do.....	Apr. 9....	416,618	188		1			2		2	12	3
Leghorn.....	Apr. 3....	104,053	26									
Do.....	Apr. 10....	104,053	28								1	
Leith.....	Apr. 2....	76,277	35							1		
Do.....	Apr. 9....	76,277	31								1	
Licata.....	Apr. 2....	20,000	10				1	1				
Liege.....	Apr. 9....	166,110	60									
Liverpool.....	do.....	647,489	346					3	1	1	4	8
Livingston.....	do.....	2,000	0									
Lyons.....	Mar. 19....	438,077	206						1		1	2
Do.....	Mar. 26....	438,077	200								2	2
Madras.....	Mar. 18....	452,518	358	2	5						45	
Manchester.....	Apr. 9....	505,343	190					2	1		4	3
Mannheim.....	Apr. 2....	107,853	46						1	1		

a Twenty-nine deaths from plague.

b Twenty-one deaths from plague.



## MORTALITY TABLE, FOREIGN CITIES—Continued.

Cities.	Week ended.	Estimated population.	Total deaths from all causes.	Deaths from—							
				Cholera.	Yellow fever.	Smallpox.	Typhus fever.	Enteric fever.	Scarlet fever.	Diphtheria.	Measles.
Matamoras.....	Apr. 8.....	16,304	7								
Do.....	Apr. 15.....	16,304	7								
Mayence.....	Apr. 9.....	76,984	30								1
Messina.....	Apr. 2.....	107,000	36								
Do.....	Apr. 9.....	107,000	32								
Montevideo.....	Mar. 12.....	215,061	50					2			
Munich.....	do.....	430,000	177								1
Do.....	Mar. 19.....	430,000	217							4	2
Newcastle-on-Tyne.....	Apr. 9.....	212,223	96								6
Odessa.....	Apr. 2.....	383,000	159			1		1	2	2	4
Palermo.....	do.....	273,000	117							1	
Paris.....	do.....	2,511,955	1,102					3	3	11	28
Plymouth.....	Apr. 9.....	99,136	45								
Prague.....	Apr. 2.....	195,919	187					3	1	2	6
Puerto Cortez.....	Apr. 13.....	2,000	0								
Quebec.....	Apr. 9.....	73,000							2	3	
Do.....	Apr. 16.....	73,000							1		
Rotterdam.....	Apr. 9.....	299,343	141					1		1	6
St. Petersburg.....	Mar. 26.....	1,267,023	690					33	20	34	12
St. Stephen.....	Apr. 16.....	3,000	1								
Schiedam.....	Apr. 9.....	26,884	11								
Sonneberg.....	Mar. 19.....	12,500	6								
Do.....	Mar. 26.....	12,500	3								
South Shields.....	Apr. 9.....	98,922	36								
Stettin.....	Apr. 2.....	150,000	49							1	3
Stockholm.....	do.....	275,000									1
Stuttgart.....	Apr. 7.....	162,934	77								
Sunderland.....	Apr. 9.....	143,849	55								
Tegucigalpa.....	Apr. 1.....	12,000	2								
Trapani.....	Apr. 2.....	45,095	11								
Trieste.....	do.....	165,000	72								
Tuxpan.....	Mar. 19.....	10,280	9						1	2	
Do.....	Mar. 26.....	10,280	9								
Do.....	Apr. 2.....	10,280	11								
Vera Cruz.....	Apr. 14.....	30,000	24								
Vienna.....	Mar. 19.....	1,574,129	753					1	5	11	12
Zurich.....	Apr. 2.....	158,968	53					1	1	1	

By authority of the Secretary of the Treasury:

WALTER WYMAN,  
Supervising Surgeon-General U. S. Marine-Hospital Service.